Introduction

A veteran Professional Engineer with 40 years of experiences in Singapore (HDB) and China (Keppel Land) sharing his vast experiences in Project Management and Safety Management of construction sites.

It is not uncommon to see projects that are not properly managed, resulting in project delay, cost overrun and accidents on site. When these happen, the financial impacts to the clients / developers are great and the project team is normally demoralized. It could also end up with contractual disputes and financial claims from all parties.

The success and safe delivery of a construction project depends largely on the effectiveness of the project manager and the project team members who are involved in the project. Being key members of the project team, it is important for the Engineer and RTO to acquire the knowledge and skills of project management, so that they will be able to work closely with the Project Manager and contribute positively to the success and safe delivery of the projects.

To achieve good quality construction works, it is important for the engineer to be able to manage the design process and supervise the construction work on site effectively. This course will also cover the effective management of design process by the engineer and effective supervision of construction works by the RE and RTO.

Apart from the management of quality, cost and time, it is also crucial for the construction works to be carried out safely without any accident. This course will cover the risk assessment and safety management of construction works, to provide a safe environment for all personnel working on site. The trainer will also share with the course participants the learning points from past cases of worksite accidents.

This one-day course will cover the essential project management skills that an Engineer / RTO / Project Manager must possess so that he is able to manage construction projects competently and safely. In addition, this course will also briefly touch on the skill sets required for managing projects overseas, particularly in China.

Objectives

To equip Engineers / REs / RTOs and building consultants with the essential knowledge and skills of Project Management so that they will be able to manage construction projects competently and safely.

**PROGRAMME DETAILS**

<table>
<thead>
<tr>
<th>Date</th>
<th>13 FEB 2020 (Thursday)</th>
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<tbody>
<tr>
<td>Duration</td>
<td>1 Day</td>
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<tr>
<td>Time</td>
<td>9.00 am – 5.30 pm</td>
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<tr>
<td>Venue</td>
<td>IES Academy @ Jurong East</td>
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<td>Devan Nair Institute for Employment and Employability (e2i), 80 Jurong East Street 21, #04-10 S(609607) (Confirmed)</td>
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<tr>
<td>CPD Programme</td>
<td>3STU(Structural) / 2STU(Safety) / 7SDU / 7PDU</td>
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<tr>
<td>*Course Fees:</td>
<td>$288.90 (IES - Members) $331.70 (Non - Members)</td>
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<td>*Fees inclusive of 7% GST, course materials, Lunch and Refreshments.</td>
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<tr>
<td>*Certificate of Attendance will be given to participants with 100% attendance.</td>
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Course Outline

1. Introduction to Project Management for construction projects
2. Schedule Management and Cost Management for construction projects
3. Management of design process for Structural, Architectural and M&E works
4. The Workplace Safety and Health (Design for Safety) Regulations
5. Learning points from past cases of construction site accidents
6. Safety management of construction sites
7. Effective Quality Management to prevent Safety Issues during construction and operation
8. Effective supervision of construction works on site
9. Best Practices for site supervision of structural works
10. Risk assessment of construction sites
11. Managing construction projects in China

Who is it for?

- REs, RTOs, Engineers, Architects, Construction Managers and Consultants
- Project Managers with consultancy firms, real-estate developers or construction companies
- Those who wish to venture into overseas markets like China
Er. Tan Joo Chuah holds a Bachelor of Engineering (Civil) degree from the University of Singapore; and a Master of Science in Construction Engineering (With Distinction) from University of Leeds, UK. He has been a Professional Engineer (Civil), Singapore since 1990.

He has almost 40 years of Project Management experience managing projects in Singapore and China. He was the 2nd Vice-President for the Society of Project Managers, Singapore from 2009 to 2013.

Er. Tan was the General Manager, Projects of Keppel Land China from 2012 to 2016. During these 4 years, he was based in Shanghai and managed Keppel Land’s residential/commercial projects in 10 different cities in China.

Prior to joining Keppel Land China, he was the Managing Director of SIPM Consultants Pte. Ltd, a wholly-owned subsidiary of Surbana-Jurong Pte. Ltd., for 5 years.

Er. Tan was with the Housing and Development Board (HDB) of Singapore for 23 years. He started with HDB as a Structural Engineer in 1980 and was a Senior Principal Project Manager when he left HDB in 2003. He has contributed to the successful implementation of the HDB’s Main Upgrading Program (MUP) and Lift Upgrading Program (LUP), retrofitting many old HDB apartment blocks and giving the public housing estates a new look.

He was with the Ministry of National Development for 2 years, working as Assistant Director in the Housing Division.

He also managed the hospital development projects in Singapore, Chongqing and Shanghai for Raffles Medical Group when he was with the company.

Er. Tan has been invited by the China’s Construction Project Management Committee (CPMC) to be in the judging panel to assess the candidates for China’s National “Outstanding International Project Managers” Awards.

Er. Tan is also an ACTA certified trainer.
Registration Form
ESSENTIAL CONSTRUCTION PROJECT MANAGEMENT SKILLS FOR ENGINEERS & TECHNICAL OFFICERS 5TH Run

Date: 13 FEB 2020 (Thursday)
Duration: 7 Hours
Time: 9am – 5.30pm
CPD Programme: 3STU (Structural) / 2STU (Safety) / 7SDU / 7PDU
Venue: IES Academy @ Jurong East
Course Fee: $288.90 (IES Member) / $331.70 (Non-member)
Course Coordinator: Verline Chiam 64604241
verline.chiam@iesnet.org.sg
Last Date of Registration: 5 FEB 2020

Participant Details
*Name (as per NRIC): ____________________________  *NRIC/ FIN No: ____________________________
*Designation: ____________________________  RE/RTO/PE No: ____________________________
Company: ____________________________
*Address: ____________________________
*Email: ____________________________  Postal Code: ________________
*Contact No: ____________________________  Fax: ____________________________
Please Indicate: □ IES Member No: ____________________________
□ Non-member  □ Vegetarian

Contact Person (HR or Finance if sponsored by company or if applicable)
Name: ____________________________
Tel: ____________________________  Fax: ____________________________
Email: ____________________________
Address: ____________________________

Payment Details
Nets / Cheque No: ____________________________  Amount: ____________________________
□ Sponsored by company  □ Using SkillsFutureCredit to pay for course fee (self-paying)
• All fees inclusive of 7% GST
• Cheques should be made payable to "Engineers Singapore Pte Ltd" and post it to IESA@JurongEas
• Please note that 100% attendance is compulsory for all participants

Name: ____________________________  Signature ____________________________
TERMS & CONDITIONS COURSE REGISTRATION

Registration

Any registration, whether on-line or fax will be on a first-come-first-served basis and will only be confirmed upon receipt of full payment by Engineers Singapore Pte Ltd unless otherwise invoice to company.

All registrations must be submitted with duly completed registration form.

Closing Date & Payment

The closing date of the event will be 1 week prior to event commencement date or earlier. Cheques should be crossed ‘A/C payee only’ and made payable to ‘Engineers Singapore Pte Ltd’, with the Title of The Event indicated clearly written on the back of the cheques, and submitted with the duly completed registration forms to:

Attn: Verline Chiam
IES Academy@Jurong East
Devan Nair Institute for Employment and Employability,
80 Jurong East Street 21, #04-10
Singapore 609607

Confirmation of Registration

Confirmation of registration will be given at least 1 week before the commencement date via email. If you do not receive the said confirmation email, you are required to contact IESA at 6463 9211 during office hours. IESA reserves the right to allow only confirmed registrants to attend the Event.

Withdrawals/Refunds of Fees

Written notice at least 1 week in advance (7 working days) before the commencement of the event

Full course fee shall be refunded subjected to 4.5% transaction charge.

➢ NO refund otherwise.

No show of participant would not be accepted as a valid reason for withdrawal/refund.

One time replacement is allowed only if written notice is received by us at least 1 week before the commencement of the event. However, when an IES member is replaced by a non-member, the participant has to pay the difference in the relevant fees.

Cancellation/Postponement

Changes in Venue, Dates, Time and Speakers for the Events can occur due to unforeseen circumstances. IES reserves the full rights to cancel or postpone the Event under such circumstances without prior reasons. Every effort, however, will be made to inform the participants or contact person of any cancellation or postponement.

Fees will be refunded in FULL if any Event is cancelled by IESA.

UTAP (Union Training Assistance Programme) is an individual skills upgrading account especially for NTUC members. As a member, you enjoy UTAP funding at 50% of the unfunded course fee capped at $250 every year.

SkillsFuture Credit (SFC) “All Singaporeans aged 25 and above can use their $500 SkillsFuture Credit from the government to pay for a wide range of approved skills-related courses. Visit the SkillsFuture Credit website (www.skillsfuture.sg/credit) to choose from the courses available on the SkillsFuture Credit course directory.”

Please visit HERE for more information on SFC & UTAP claim

PERSONAL DATA PROTECTION ACT

I consent to the processing by Institution of Engineers, Singapore of personal data, including sensitive personal data as defined in the Data Protection Act 2014, about me for the proper purposes of Institution of Engineers, Singapore (IES). I undertake to observe the provisions of the Data Protection Act 2014 in relation to any personal data I may myself hold and process as a Members of Institution of Engineers, Singapore, and I agree to indemnify Institution of Engineers, Singapore from liability for any claims or damages that may arise from the processing of this data. For more information kindly refer to:  HERE

Enquiries

For further enquiries, please contact IESA general office at Tel: 6463 9211.